

UNITED STATES PATENT APPLICATION
Non-Linear Adaptive AM/AM and AM/PM Pre-Distortion Compensation
With Time and Temperature Compensation for Low Power Applications

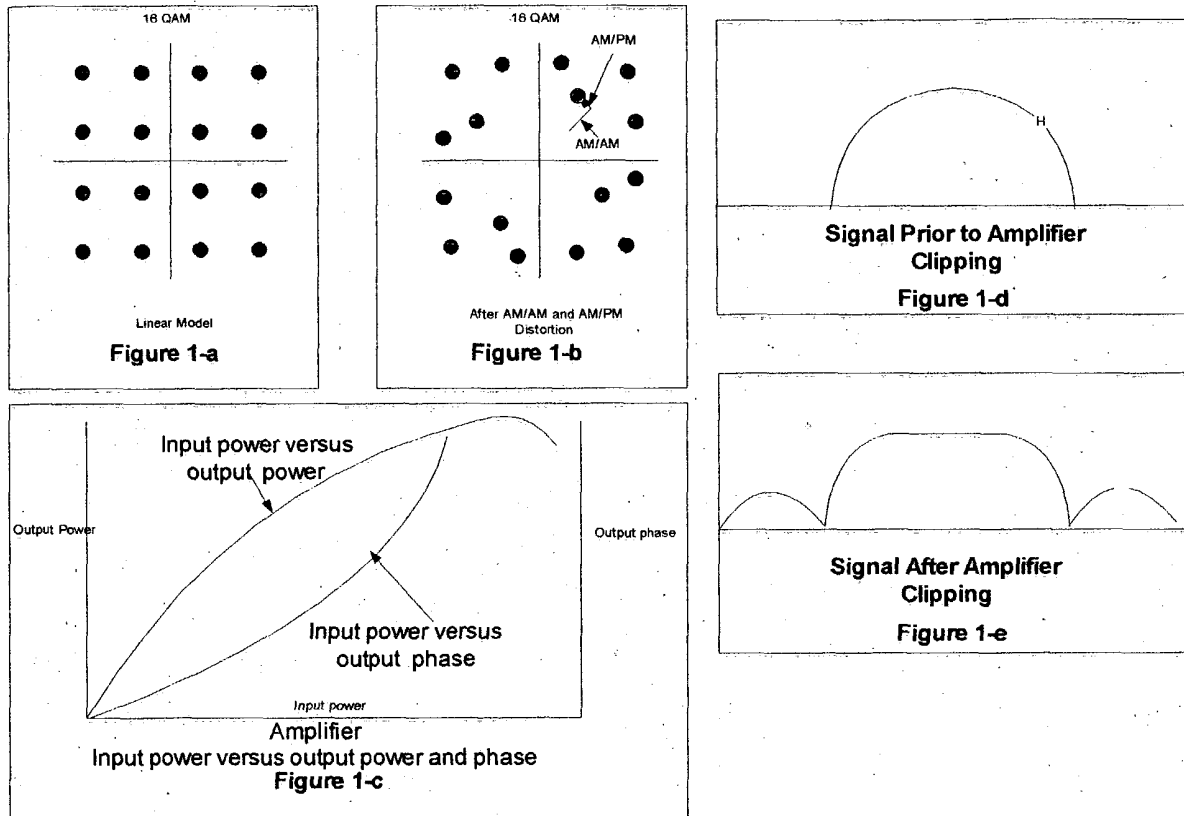


Figure 1: AM/AM and AM/PM Non-linear Distortion of an Amplifier

UNITED STATES PATENT APPLICATION
Non-Linear Adaptive AM/AM and AM/PM Pre-Distortion Compensation
With Time and Temperature Compensation for Low Power Applications

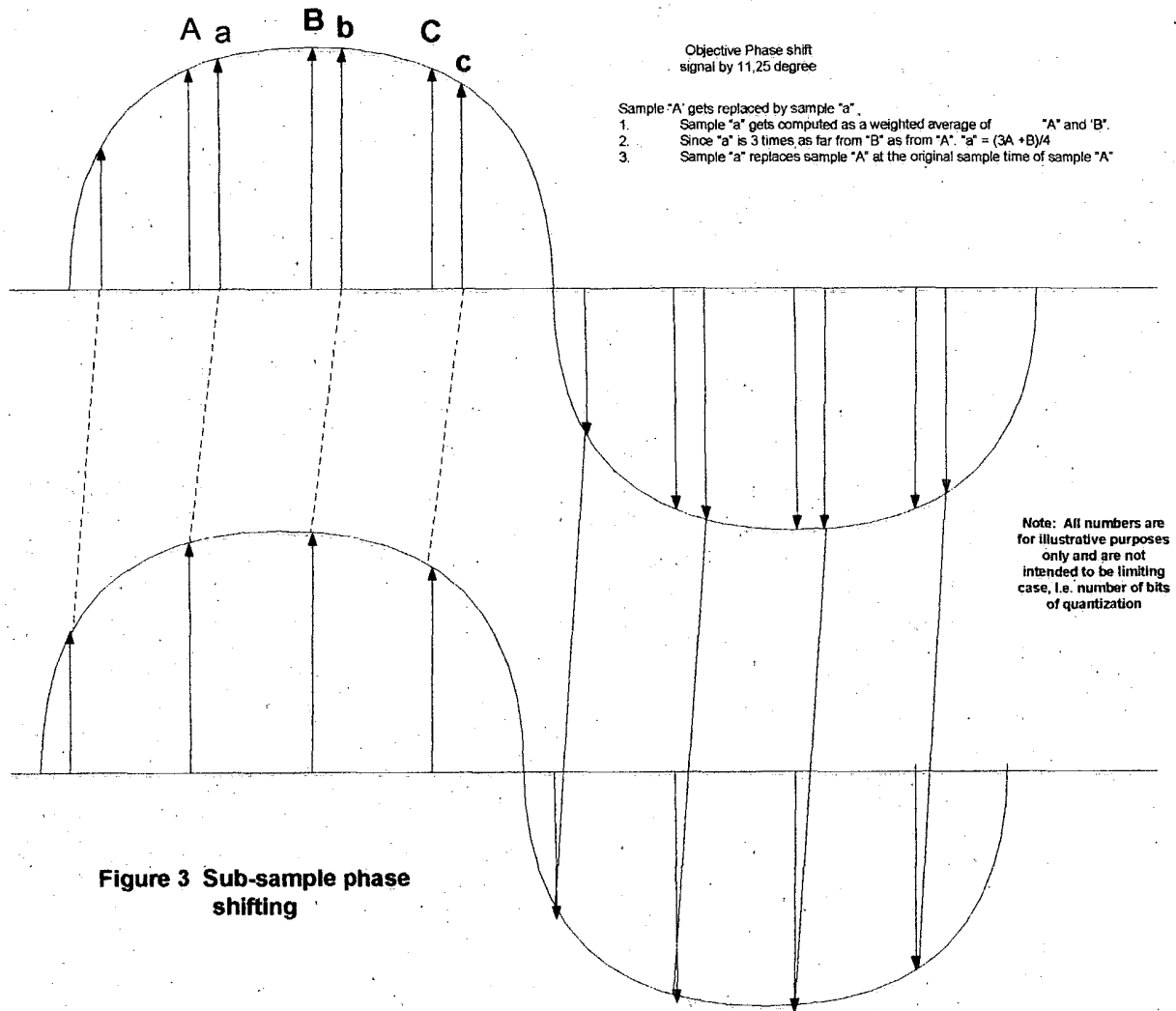


Figure 3 Sub-sample phase shifting

Note: All numbers are for illustrative purposes only and are not intended to be limiting case, i.e. number of bits of quantization



Series Description of Non-linearity Compensation